# Managing the Implementation of Enhancements to the NAS

Presented to: CDM Group

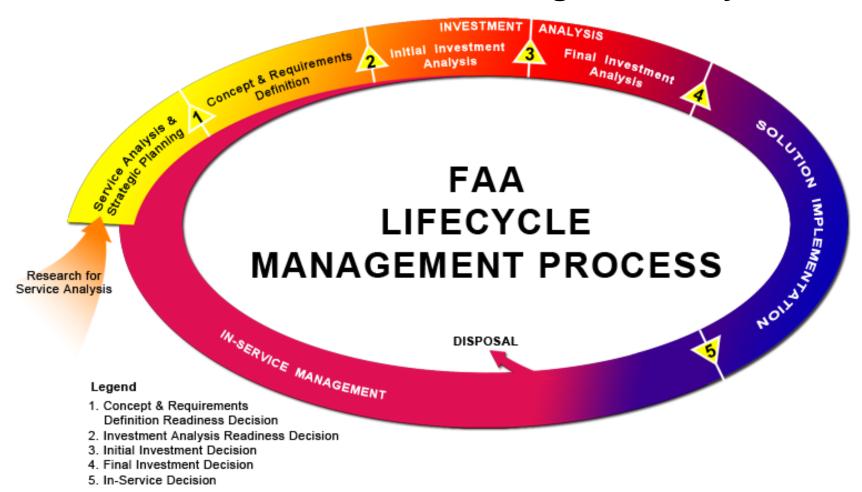
Presented By: FAA AJV-7

Date: April 2016



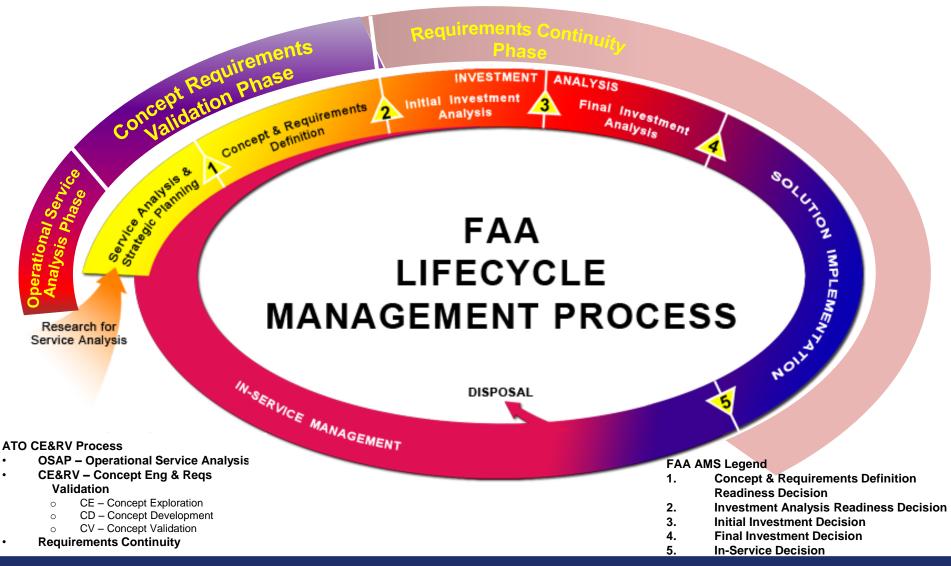
# FAA Acquisition Management System (AMS)

## Enhancements to the NAS are governed by AMS





# **CE&RV** in Relation to AMS Lifecycle



### **Notional Generic AMS Timeline**

Q1 Q2 Q3 Q4		Year 1			Year 2				Year 3				Year 4				Year 5				Year 6			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4

SASP Phase

**Pre-Implementation Activities** 

**CRD Phase** 

IA Phase

Solution Implementation Activities

SE

Dovolonment

Development

Ends in Concept &
Requirements
Definition
Readiness (CRDR)
Decision

- 1. Shortfall documented.
- 2. Plan for addressing shortfall.

Effort lead by: AJV-7, AJM-22 awareness.

OPS and Industry Stakeholder input: What problems to address, definition of needs/solution space.

FAA Stakeholder Input: ANG, AJT, AJW.Etc. Ends in Investment Analysis Readiness Decision (IARD)

- 1. Concept of Operations.
- 2. Functional Analysis.
- 3. Shortfall Quantified (Benefits pool).
- 4. Preliminary Program Requirements.
- 5. Range of Alternatives (historically waived for CATMT WPs due to set implementation path).

Effort lead by: AJV-7, AJM-22 involvement increases to take over lead during IA phase.

OPS and Industry Stakeholder input: Concept and Requirements development/validation.

FAA Stakeholder Input: ANG, AJT, AJW, Etc.

Ends in Final Investment Decision (FID)

- 1. Final Program Requirements.
- 2. Business case development
- 3. Implementation Strategy.

Effort lead by: AJM-22, AJV-7 awareness.

OPS and Industry Stakeholder input: Low – Requirements near final.

FAA Stakeholder Input: ANG, AJT, Etc.

**Ends in System Design** 

- 1. Changes to SSS, IRS, SSDD, HAD.
- 2. ECP
- 3. Transition Strategy.

Effort lead by: AJM-22.

OPS and Industry Stakeholder input: Low – transition.

FAA Stakeholder Input: ANG, AJT, AJW, Etc.

**Ends in Deployment** 

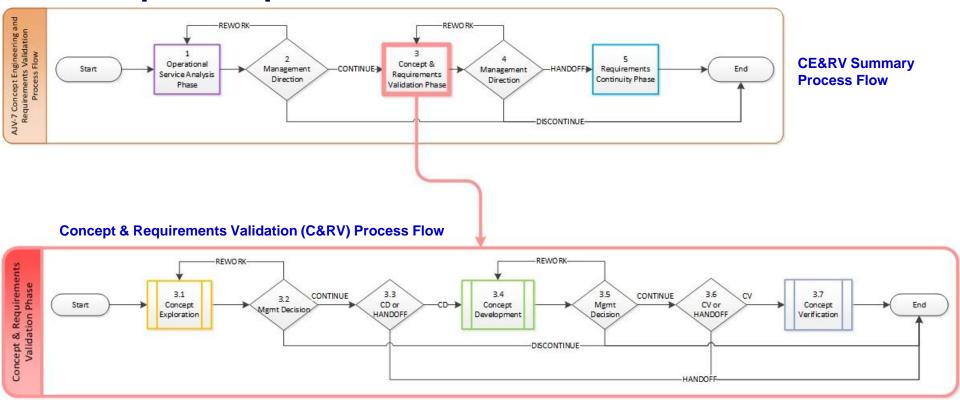
- 1. SW Req'ts & Design.
- 2. Testing
- 3. Deployment.

Effort lead by: AJM-22, AJV-7 & NextGen awareness.

OPS and Industry Stakeholder input: High – CHI, Procedures, Testing.

FAA Stakeholder Input: ANG, AJT, AJW, Etc.

## **Concept & Requirements Validation Phase**



### **Concept Exploration:**

- Characterize "As Is" behavior to qualify legacy shortfalls
- Characterize "To Be" behavior to mitigate legacy shortfalls

### **Concept Development:**

- · Quantify legacy shortfalls
- Validate "To Be" concept operations, functions & performance to mitigate legacy shortfalls & safety hazards

### **Concept Verification:**

Verify that "To Be" concept operations & functions perform as specified



# **Questions?**

